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QUESTAR™ POLYESTER FILM  
ALL GRADES

## MATERIAL SAFETY DATA SHEET

### Identification

Product Name: **QUESTAR™**  
Polyester Film  
Chemical Name: Polyethylene  
terephthalate  
Chemical Family: Polyester  
CAS number: 25038-59-9  
Department of Transportation  
information: **not** regulated as a  
hazardous material.

### Physical-Chemical Data

Melting range: 255-260° C  
Specific Gravity (Water=1): 1.4  
Decomposition temp: 300° C  
Appearance and odor: Clear film,  
odorless

Low levels of acetaldehyde are  
present in the film which could be  
released on heating at elevated  
temperatures for long time periods.

### Hazardous Ingredients

None as defined under the OSHA hazard  
communication standard, 29CFR1910.1200  
or S.A.R.A. Title III, Section 313. This  
material is considered an article under  
OSHA and TSCA standards.

### Fire and Explosion Hazard Data

Flammability: The film will burn if  
exposed to flame.  
Extinguishing media: Carbon dioxide  
water spray, foam or dry chemical.  
Special fire-fighting procedures:  
Wear self-contained breathing apparatus

and complete personal protective equip-  
ment when potential for exposure to  
products of combustion exists.  
Unusual hazards: Emits acetaldehyde,  
carbon dioxide and carbon monoxide  
under fire conditions. The exact  
composition of decomposition  
products will depend on the conditions  
of combustion.

### Special Hazard Designations

#### NFPA

Health:	0
Flammability:	1
Reactivity:	0

#### Reactivity Data

Chemical stability: Stable  
Hazardous decomposition products:  
at 300° C and above, the main  
decomposition products are  
acetaldehyde, carbon dioxide and  
carbon monoxide.

#### Health Hazard Data

No adverse health effects have been  
attributed to polyester film.  
Permissible exposure limits for  
acetaldehyde.

OSHA Standard: 100 ppm

Effects of exposure:  
Ingestion (swallowing): Non-toxic  
Skin Contact: Non-irritating  
Inhalation: N/A

### Spill or Leak Procedures

Waste disposal method: **QUESTAR™**  
polyester film is a non-hazardous  
solid waste material and is not regulated  
by the Resource Conservation Recovery  
Act. Dispose of or incinerate in accordance  
with local regulations.

### Special Protection Information

Protective clothing: None required under  
normal conditions of use.

If the film could be subjected to con-  
ditions releasing acetaldehyde, then  
adequate ventilation should be used to  
stay below the TLV, or self contained  
breathing apparatus should be used.

### Special Precautions

Precautions to be taken in handling:  
Unwinding, winding, and passage of  
polyethylene terephthalate film  
through and over rollers will tend to  
generate a strong electrostatic charge  
on the web. Static discharge devices  
should be properly positioned at such  
points to eliminate the charge and to  
prevent uncontrolled discharge from the  
web. This is particularly required in  
potentially explosive atmospheres and to  
protect personnel from the effects of a  
static discharge. Certain antistat grades  
are available.

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